



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

SURFACE MOUNT

SCHOTTKY BARRIER RECTIFIER

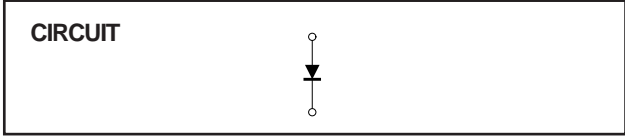
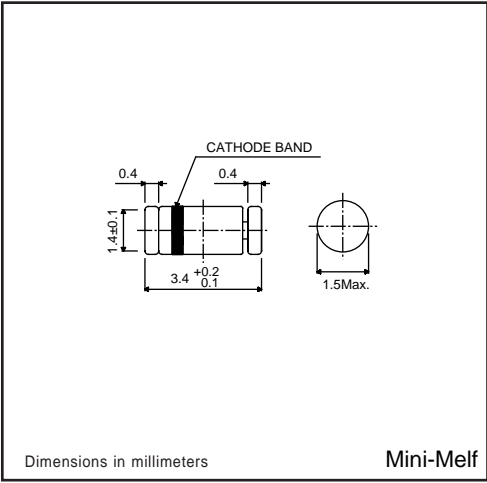
VOLTAGE RANGE 20 - 40 Volts CURRENT 350 mAmperes

**LL320GP
THRU
LL340GP**

APPLICATION
* Ultra high speed switching

FEATURE
* Small surface mounting type. (MINI-MELF)
* High speed. (T_{RR}=10nSec Typ.)
* Maximum total power dissipation is 400mW.

CONSTRUCTION
* Silicon epitaxial planar



MAXIMUM RATINGS (At T_A = 25°C unless otherwise noted)

RATINGS	SYMBOL	LL320GP	LL330GP	LL340GP	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	Volts
Maximum RMS Voltage	V _{RMS}	14	21	28	Volts
Maximum DC Blocking Voltage	V _{DC}	20	30	40	Volts
Forward Continuous Current	I _{FM}	350			mAmps
Peak Forward Surge Current 10 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	1.5			Amps
Typical Thermal Resistance (Note 1)	R _{θJL}	250			°C / W
Total Capacitance (Note 2)	C _T	50			pF
Reverse Recovery Time at I _F =I _R =50mA , I _{rr} =5.0mA	T _{rr}	10			nS
Operating Temperature Range	T _J	-55 to +125			°C
Storage Temperature Range	T _{STG}	-55 to +150			°C

ELECTRICAL CHARACTERISTICS (At T_A = 25°C unless otherwise noted)

CHARACTERISTICS	SYMBOL	LL320GP	LL330GP	LL340GP	UNITS
Maximum Instantaneous Forward Voltage	@ I _F = 20mA	370			mVolts
	@ I _F = 200mA	600			mVolts
Maximum Average Reverse Current at Rated DC Blocking Voltage	I _R	5.0			uAmps

NOTES : 1. Thermal Resistance (Junction to Lead) : PC Board Mounted on 0.2 X 0.2" (5 X 5mm) copper pad area.
2. Measured at 1.0 MHz and applied reverse voltage of 0 volts.

RATING CHARACTERISTIC CURVES (LL320GP THRU LL340GP)

FIG. 1 - FORWARD CHARACTERISTICS

